**Objectives: Deploy the requested resources from Scenario**

**Scenario/Case**

Our application team requires a windows 2016 server with IIS installed for testing purposes; the solution

will be deployed into an existing Azure test environment.

Define a template spec to deploy the Virtual Machine with IIS using the provided variables and

requirements.

**Variables:**

 Resource Group: test-rg-01

 Location: eastus

 Vm Name: test-vm-01

 Image Name: Win2016Datacenter

 Virtual Network Name: test-vnet-01

 Subnet Name: test-vnet-subnet-01

**Security requirements:**

 Direct access to the virtual machine over the public internet must be blocked.

 Only port 80 will be required for internal testing within the azure VNet.

**Sizing requirements:**

 The application team is requesting 2 CPUs, 4 GBs RAM and a 40GB data disk, the VM will only

be used for testing purposes and the specifications will be changed for the production

deployment.

**Post deployment:**

1. The Virtual machine cannot be accessed directly from the internet, but the solution will require

external users to securely connect to it. Recommend a cost effect solution for external users to

securely access the web site over 443.

2. Internal teams will require RDP access to the virtual machine but due to our security policies,

RDP access is blocked. Recommend a solution to allow the internal teams to securely connect to

the Virtual machine over port 443.

3. 3rd Party vendors will require connectivity to the virtual machine to upload data and complete

monthly maintenance activities, they currently do not have access into our network and the virtual

machine cannot be publicly exposed. Recommend a solution to allow the vendors to securely

connect.

4. The Application team is still developing the application and are unaware of the existing Azure

features. Provide a diagram with your short-term changes to improve the availability, security,

reliability, cost, and performance before the application goes into production.

5. Provide guidance to the technical teams on which Azure solutions they could leverage to monitor

the application and provide better support during connectivity & performance issues.